

Application No.: 10/763,727
Amendment dated: February 28, 2005
Reply to Office Action dated: November 30, 2004

AMENDMENTS TO THE CLAIMS

1-9 (Cancelled)

10. (Currently Amended) An actuator component comprising:

at least one layer of electrically-conductive material; and

at least one layer of electrically-insulative material, wherein

said conductive material and said insulative material are to be applied to an actuator finger one layer upon another in an alternating manner, and

said layer of insulative material is ~~larger in area~~ wider than said layer of conductive material such that an insulative layer, applied to said actuator finger and sandwiching a conductive layer between said insulative layer and said actuator finger, at least partially encloses and electrically isolates said conductive layer latitudinal to said actuator finger.

11. (Currently Amended) The ~~system~~ actuator component of claim 10, wherein said conductive material is a metal.

12. (Currently Amended) The ~~system~~ actuator component of claim 11, wherein said conductive material is from the group consisting of Gold, Platinum, and Copper.

13. (Currently Amended) The ~~system~~ actuator component of claim 10, wherein said insulative material is a piezoelectric ceramic material.

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14. (Currently Amended) The ~~system~~ actuator component of claim 13, wherein said insulative material is lead zirconate titanate.

15. (Currently Amended) The ~~system~~ actuator component of claim 10, wherein said actuator finger is a hard disk drive micro-actuator finger.

16. (Currently Amendment) A piezoelectric actuator comprising:

an actuator finger to receive application of at least one layer of electrically-conductive material and at least one layer of electrically-insulative material, said application being one layer upon another in an alternating manner, wherein

said layer of insulative material is ~~larger in area~~ wider than said layer of conductive material such that an insulative layer, applied to said actuator finger and sandwiching a conductive layer between said insulative layer and said actuator finger, at least partially encloses and electrically isolates said conductive layer latitudinal to said actuator finger.

17. (Currently Amended) The ~~system~~ piezoelectric actuator of claim 16, wherein said conductive material is a metal.

18. (Currently Amended) The ~~system~~ piezoelectric actuator of claim 17, wherein said conductive material is from the group consisting of Gold, Platinum, and Copper.

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19. (Currently Amended) The ~~system~~ piezoelectric actuator of claim 16, wherein said insulative material is a piezoelctric ceramic material.

20. (Currently Amended) The ~~system~~ piezoelectric actuator of claim 19, wherein said insulative material is lead zirconate titanate.

21. (Currently Amended) The ~~system~~ piezoelectric actuator of claim 16, wherein said actuator finger is a hard disk drive micro-actuator finger.

22-28 (Cancelled)